

## CLAIMS

Therefore, having thus described the invention, at least the following is claimed:

- 1           1.       A program for caching an entitlement set, the program being stored as  
2       a computer readable medium, the entitlement set designating services and products a  
3       user is entitled to access in a network, the program comprising: logic for:  
4           (a)     logic configured to receive a login request from the user;  
5           (b)     logic configured to determine whether a memory element indicating a  
6       triggering event related to the user exists, the memory element having been created  
7       after a triggering event;  
8           (c)     logic configured to read a preexisting entitlement set from a memory  
9       element if the dirty buffer does not exist, the preexisting entitlement set indicating a  
10      first scope of access to the network; and  
11          (f)     logic configured to calculate a new entitlement set if the dirty buffer  
12      does exist, the new entitlement set indicating a second scope of access to the network;  
13      and  
14          (g)     logic configured to allow the user a third scope of access to the  
15      network, the third scope of access being the first scope of access or the second scope  
16      of access.
- 1           2.       The program of claim 1, wherein the login request includes user  
2       identification information and a password.
- 1           3.       The program of claim 1, wherein the memory element is a dirty buffer.
- 1           4.       The program of claim 3, wherein the dirty buffer identifies the  
2       triggering event.
- 1           5.       The program of claim 1, wherein the triggering event is the creation of  
2       a new linking agreement.
- 1           6.       The program of claim 1, wherein the triggering event is the creation of  
2       a contract with a customer.

1           7.     The program of claim 1, wherein the preexisting entitlement set is read  
2     from a persistent memory element.

1           8.     The program of claim 1, further comprising logic for:  
2             allowing the user access to an information technology resource center, the  
3     scope of the access based on the entitlement set.

1           9.     The program of claim 1, further comprising logic for:  
2             reading a linked agreement associated with the user, wherein information read  
3     from the linked agreement is used to calculate the new entitlement set.

1           10.    The program of claim 9, further comprising logic for:  
2             calculating an entitlement based on the linked agreement, wherein the  
3     calculated entitlement is used to calculate the new entitlement set.

1           11.    The program of claim 10, further comprising logic for:  
2             calculating a user level entitlement, wherein the user level entitlement is used  
3     to calculate the new entitlement set.

1           12.    A method for caching an entitlement set, the entitlement set  
2    designating services and products a user is entitled to access, the method comprising  
3    the steps of:

4           (a)    receiving a login request from the user;

5           (b)    determining whether a memory element indicating a triggering event  
6    related to the user exists, the memory element having been created after a triggering  
7    event;

8           (e)    reading a preexisting entitlement set from a memory element if the  
9    memory element does not exist, the preexisting entitlement set indicating a first scope  
10   of access to the network; and

11          (f)    calculating a new entitlement set if the memory element does exist, the  
12   new entitlement set indicating a second scope of access to the network; and

13          (g)    allowing the user a third scope of access to the network, the third  
14   scope of access being the first scope of access or the second scope of access.

1           13.    The method of claim 11, wherein the login request includes user  
2    identification information and a password.

1           14.    The method of claim 11, wherein the memory element is a dirty buffer.

1           15.    The method of claim 14, wherein the dirty buffer identifies the  
2    triggering event.

1           16.    The method of claim 11, wherein the triggering event is the creation of  
2    a new linking agreement.

1           17.    The method of claim 11, wherein the triggering event is the creation of  
2    a contract with a customer.

1           18.    The method of claim 11, wherein the preexisting entitlement set is read  
2    from a persistent memory element.

1           19.     The method of claim 11, further comprising the step of :  
2           allowing the user access to an information technology resource center, the  
3     scope of the access based on the entitlement set.

1           20.     The of claim 11, further comprising the step of:  
2           reading a linked agreement associated with the user, wherein information read  
3     from the linked agreement is used to calculate the new entitlement set.

1           21.     The method of claim 20, further comprising the step of:  
2           calculating an entitlement based on the linked agreement, wherein the  
3     calculated entitlement is used to calculate the new entitlement set.

1           22.     The method of claim 21, further comprising the step of:  
2           calculating a user level entitlement, wherein the user level entitlement is used  
3     to calculate the new entitlement set.

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